Index of Claims

| App | lication | /Control | No. |
|-----|----------|----------|-----|
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10/685,757 Examiner

Applicant(s)/Patent under Reexamination

NAKAJIMA, SHINYA Art Unit

Bruce D. Hissong, Ph.D.

1646

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | im       | Date   |  |                     |  |          | CI             | Claim Date   |          |          |  |          |          |          |          |          | Г        | Claim Date |          |   |           |        |          |          |          |          |          | $\neg$   |          |          |          |           |          |
|--------------|----------|--|--|---------------------|--|----------|----------------|--------------|----------|----------|--|----------|----------|----------|----------|----------|----------|------------|----------|---|-----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|              |          |  | _  | Date   Claim   Date |  |          |                |              |          |          |  | ╌        |          | 2011     | _        |          | _        | -          |          | ;<br>   |           | $\neg$ | ᅱ        |          |          |          |          |          |          |          |          |           |          |
| Final        | Original | 30/00/21   |  |                     |  |          |                |              |          |          | Final  | Original |          |          |          |          |          |            |          |   |           |        | Final    | Original |          |          |          |          |          |          |          |           |          |
|              | 1        |  | ⊢  | ├                   | <del> </del>                                     | ⊢        | ╁              | ╁            | Н        | $\dashv$ | $\vdash$   | 51       | $\vdash$ | $\dashv$ | $\dashv$ | ┥        | +        | $\dashv$   | +        | +-  | +         | ⊦      | $\dashv$ | 101      | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ᅥ        |
| <u> </u>     | 2        | V  | <del>-</del>                                     | -                   | -  | ⊢        | ╁              | ╁╌           | Н        | $\dashv$ |  | 52       | H        | +        | ┰        | -        | +        | $\dashv$   | -+       | ┿   | $\dashv$  | ŀ      |          | 102      | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | +         | $\dashv$ |
| <u> </u>     | 3        |  | ╌  | -                   | -  | ╁╌       | ╁╌             | ╁╌           | H        | $\dashv$ | -  | 53       | ├─┤      | -+       | $\dashv$ | -+       | ┪        | -+         | +        | ╌   | $\dashv$  | H      | _        | 103      | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$  | 一        |
|              | 4        | 1  | <b>├</b> ─                                       | -                   | -  | ┢        | ╁              | ╁╌           | Н        | $\dashv$ | }  | 54       | ┨        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +   | ┥         | ŀ      |          | 104      | -        | -        |          | -        |          | $\dashv$ |          | $\dashv$  | ᅱ        |
|              | 5        | W  | -  | -                   |  | ┢        | ┢              | ╁            | Н        | $\dashv$ |  | 55       | H        | -        | -+       | $\dashv$ | -        | $\dashv$   | ┰        | +   | $\dashv$  | ŀ      |          | 105      | +        | $\dashv$ | $\dashv$ | -        | $\vdash$ | $\dashv$ | +        | $\dashv$  | 一        |
|              | 6        | N  | ╁╾   | -                   |  | ╁        | ╁╌             | ╁            | Н        | $\dashv$ | $\vdash$   | 56       | $\vdash$ | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | $\dashv$   | ┰        | ╅   | ┨         | H      |          | 106      | $\dashv$ | +        | _        | $\vdash$ |          | $\dashv$ | -        | $\dashv$  | ㅓ        |
|              | 7        | N  | ┢  | $\vdash$            |  | ┼-       | ╁╌             | ╁            | Н        | $\dashv$ | -  | 57       | Н        | -        | ┰        | $\dashv$ | $\dashv$ | +          |          |   | ┥         | -      |          | 107      | -        |          |          |          |          | _        |          | $\dashv$  | ᅱ        |
|              | 8        | N  | ╁╌   | H                   | ┢  | ┢        | ╁              | +            | Н        | _        |  | 58       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +   | ┨         | ┟      |          | 108      | _        | $\dashv$ | _        | _        | $\dashv$ |          | -        | $\dashv$  | $\dashv$ |
|              | 9        | N  | -  | $\vdash$            | -  | $\vdash$ | $\vdash$       | $\vdash$     | Н        | $\dashv$ |  | 59       | Н        | 寸        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +   | ┥         | ┢      |          | 109      | $\dashv$ | -        | _        | -        |          |          |          | $\dashv$  | ᅥ        |
|              | 10       | N  | 1  |                     |  | 1        | ╁              | ╁            | H        | -1       | -  | 60       |          | 一        | _        | +        | ┪        | +          | $\dashv$ | $\dashv$  | ┪         | ┢      |          | 110      | -        | $\dashv$ |          | _        |          | $\neg$   | _        | $\dashv$  | $\dashv$ |
| <u> </u>     |          | W  | ┥  | ╁                   | _  | _        | ╁              | ╁            | $\vdash$ |          |  | 61       | Н        |          | -        | _        | -        | $\dashv$   | $\dashv$ | +   | ┪         | F      |          | 111      | $\dashv$ | _        | $\neg$   | $\neg$   | $\neg$   | _        |          | 寸         | $\dashv$ |
| <del> </del> | 12       | ۴  | $\vdash$   | $\vdash$            |  | $t^-$    | $t^-$          | T            | Н        | $\neg$   | <del>                                     </del> | 62       | Н        | -        | 寸        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +   | $\dashv$  | ┢      |          | 112      | -        | $\dashv$ |          |          | $\dashv$ |          | _        | $\dashv$  | $\dashv$ |
| <b></b>      | 13       | <del>                                     </del> | <del>                                     </del> | t                   | Ι-   | 1        | $\vdash$       | 1            | $\vdash$ | $\dashv$ |  | 63       | Н        | $\dashv$ | $\dashv$ | 1        |          | $\dashv$   | $\dashv$ | $\top$  | ┪         | 卜      |          | 113      | $\dashv$ | 寸        | _        |          |          |          | $\dashv$ | $\dashv$  | 一        |
| <del> </del> | 14       |  | $\vdash$   | $\vdash$            | Т  | T        | T              | T            | $\Box$   | $\dashv$ | 1  | 64       | ╁        | $\dashv$ | -+       | $\dashv$ | $\dashv$ | 7          | +        | 十   | ┪         | H      |          | 114      | +        | _        |          |          |          | _        | $\neg$   | $\dashv$  | $\neg$   |
|              | 15       | H  |  |                     | T  | t        | T              | T            |          | $\dashv$ | <u> </u>   | 65       | $\vdash$ |          | $\dashv$ | $\dashv$ |          | 7          | 十        | $\top$  | $\dashv$  | -      |          | 115      | 1        | _        |          |          |          | $\neg$   | 一        | $\dashv$  | $\dashv$ |
|              | 16       | i  | 广  |                     | H  | T        | 1              | +            | $\vdash$ | $\dashv$ | <b></b>  | 66       | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$   | +          | $\dashv$ | $\top$  | $\dashv$  | 卜      |          | 116      | +        |          |          |          | $\vdash$ | $\neg$   | 一        | $\dashv$  | $\dashv$ |
|              | 17       | T  | T  | t                   |  | T        |                | t            |          | $\dashv$ |  | 67       | Н        | _        | _        | $\dashv$ | $\neg$   | 7          | 7        | $\top$  | $\dashv$  | 卜      |          | 117      | 寸        | T        |          |          | П        | $\dashv$ | 寸        | 寸         | ㅓ        |
|              | 18       | t  | ┢  | T                   | T  | T        | <b>†</b>       | 1            | $\vdash$ | $\neg$   |  | 68       | П        | $\neg$   | ┪        | _        | _        | 7          | 1        | <u> </u>  | 7         | F      | -        | 118      | $\neg$   | 一        |          |          | П        |          |          | $\dashv$  | ヿ        |
|              | 19       | $\vdash$   | ┢  | ╁                   | 1  | ✝        | $t^{-}$        | $t^{-}$      | ╁        | $\dashv$ |  | 69       | $\vdash$ | _        | _        | 7        | 寸        |            | 1        | T   | 1         | ı      |          | 119      | T        | 寸        |          |          |          | $\neg$   | ヿ        | $\dashv$  | ᅱ        |
|              | 20       | t  | H  | t                   | t  | t        | T              | t            | H        |          |  | 70       | П        |          |          | _        |          | 7          | ヿ        |   | ٦         | ┢      |          | 120      |          | 寸        |          |          |          |          | $\neg$   | $\dashv$  | ヿ        |
|              | 21       | <b>†</b>   |  | $\vdash$            | Г  | t        | f              | T            | $\vdash$ | $\Box$   |  | 71       |          | _        | $\neg$   | $\neg$   | 一        | 寸          | _        | +   | 7         | ħ      |          | 121      |          | 一        |          |          |          |          | 寸        | $\dashv$  | ヿ        |
|              | 22       | <u> </u>   | _  | $\vdash$            | Г  | ╁┈       | ✝              | T            | ┢┈       |          |  | 72       | П        | _        | ╛        | 寸        | _        |            | 十        | +   | 1         | ı      |          | 122      | 一        | $\dashv$ |          | _        |          |          | $\neg$   | $\dashv$  | ⊣        |
|              | 23       |  |  | 1                   |  | t        | T              | 1            |          | $\Box$   |  | 73       | П        | _        | T        |          | $\neg$   |            | 7        | +   | 7         | ı      |          | 123      | T        | $\neg$   |          |          |          |          | $\dashv$ | $\neg$    | ╗        |
| $\vdash$     | 24       |  |  |                     | Г  | $\vdash$ | T              | T            |          | $\Box$   |  | 74       | П        | $\neg$   |          | _        | $\neg$   | $\dashv$   | 十        | ┪   | ٦         | -      |          | 124      | 1        |          |          |          |          |          |          | $\exists$ | ᅱ        |
| <b></b>      | 25       | <b>†</b>   | $\vdash$   | <u> </u>            | 1  | $\vdash$ | T              | T            |          |          |  | 75       | П        | 一        |          |          |          | $\dashv$   | $\dashv$ | +   | ٦         | ı      |          | 125      |          | $\neg$   |          |          |          |          |          | $\neg$    | ᅱ        |
|              | 26       | <u> </u>   | ┢  |                     | <del>                                     </del> | 1        | T              | 1            | Г        | $\dashv$ |  | 76       | П        | $\neg$   |          | 一        | $\Box$   | ╅          | $\dashv$ | $\top$  | ┪         | ı      |          | 126      | $\neg$   | $\neg$   |          |          |          |          | $\dashv$ | 寸         | $\neg$   |
|              | 27       | ╁  | ✝  | _                   | 1-   | ╁        | 1              | 1            | 1        | $\neg$   | <b></b>  | 77       |          | 一        | T        | 寸        | $\neg$   | 一          | $\neg$   | $\top$  | ٦         | ۲      |          | 127      |          |          |          |          |          |          |          | $\neg$    | ヿ        |
| <b></b> -    | 28       | T  | $\vdash$   |                     | -  | 1        | 1              | $\top$       |          |          |  | 78       | П        | T        |          | T        |          | ヿ          | 十        |   | ٦         | -      |          | 128      | 寸        | $\neg$   |          |          |          |          | $\neg$   | コ         | $\neg$   |
|              | 29       | T  | T  |                     |  | ⇈        | 1-             | ⇈            | 1        | $\neg$   |  | 79       | П        |          | $\neg$   | T        | T        | $\neg$     | 寸        | T   | 7         |        |          | 129      | $\neg$   |          |          |          |          |          |          | ヿ         | $\neg$   |
|              | 30       | T  | T  | ऻ                   | $\vdash$   | 1        | 1              | 1            |          |          |  | 80       | m        |          | 寸        |          |          | T          | T        | 1   | 7         | Ī      |          | 130      |          | $\neg$   |          |          | Г        |          |          | $\exists$ | $\neg$   |
|              | 31       | ✝  | 1  |                     |  | T        | T              |              |          |          |  | 81       |          |          |          |          |          |            | $\neg$   |   | ٦         | ı      |          | 131      |          |          |          |          |          |          |          | $\neg$    | $\neg$   |
|              | 32       |  |  |                     | ⇈  | $\vdash$ | $\top$         | 1            |          |          |  | 82       | $\Box$   | $\neg$   |          | $\neg$   |          |            | 1        |   | ╗         | ı      |          | 132      |          |          |          |          |          |          |          | $\exists$ | $\neg$   |
|              | 33       | Τ  |  |                     | Г  |          | 1              | 1            | Г        |          |  | 83       | П        |          | $\neg$   | $\neg$   | $\Box$   | 7          | $\dashv$ | $\top$  | $\exists$ | T      |          | 133      |          |          | _        |          |          |          |          | $\Box$    |          |
|              | 34       |  | Π  | Г                   | Г  |          | Ī              | Т            |          |          |  | 84       | П        |          | ヿ        | $\neg$   |          |            | $\neg$   | $\top$  | $\neg$    | Γ      |          | 134      |          |          |          |          |          |          |          |           | $\Box$   |
|              | 35       |  |  | Ī                   |  |          | Γ              |              |          | $\Box$   |  | 85       |          |          |          |          |          | ヿ          | _        |   |           | Γ      |          | 135      |          |          |          |          |          |          |          |           |          |
|              | 36       |  | l  | İ                   |  | Γ        | T              |              |          |          |  | 86       |          |          | ı        |          |          |            |          |   | _         | Γ      |          | 136      |          |          |          |          |          |          |          | ╗         |          |
|              | 37       |  |  |                     |  |          |                | ĺ            |          |          |  | 87       |          |          |          |          |          | $\Box$     |          | $\neg$  | ٦         | ٦      |          | 137      |          |          |          |          |          |          |          | $\Box$    |          |
|              | 38       |  |  | _                   |  |          |                | T            | T-       |          |  | 88       |          |          |          |          |          | T          |          | T   |           | Γ      |          | 138      |          |          |          |          |          |          |          |           |          |
|              | 39       |  |  |                     |  |          |                | Ι            |          |          |  | 89       |          |          |          | 1        |          |            |          |   |           | Γ      |          | 139      |          |          |          |          |          |          |          |           |          |
|              | 40       |  | L  |                     |  |          | Ī              | Ι            |          |          |  | 90       |          |          |          |          |          | 丁          |          |   |           | Γ      |          | 140      |          |          |          |          |          |          |          |           |          |
|              | 41       |  |  |                     |  |          | 1              | Τ            |          |          |  | 91       |          |          |          | 1        |          |            |          |   |           | Γ      |          | 141      |          |          |          |          |          |          |          |           |          |
|              | 42       |  |  |                     |  |          |                |              |          |          |  | 92       |          |          |          |          |          |            |          | m I   |           |        |          | 142      |          |          |          |          |          |          |          |           |          |
|              | 43       | Γ  |  |                     |  |          |                | $\prod$      |          |          |  | 93       |          |          |          |          |          |            |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |           |        |          | 143      |          |          |          |          |          |          |          |           |          |
|              | 44       |  |  |                     |  |          |                |              |          |          |  | 94       |          |          |          |          |          |            |          | m f I   |           |        |          | 144      |          |          |          |          |          |          |          |           |          |
|              | 45       |  |  |                     |  |          | $\Gamma$       |              |          |          |  | 95       |          |          |          |          |          |            |          | floor   |           |        |          | 145      |          |          |          |          |          |          |          |           |          |
|              | 46       | Γ  |  | $L^-$               |  |          | Γ              | $oxed{\Box}$ | $\Box$   |          |  | 96       |          |          |          |          |          |            |          | $oldsymbol{\mathbb{I}}$                           |           |        |          | 146      |          |          |          |          |          |          |          | ┚         |          |
|              | 47       |  |  |                     |  |          |                | $\prod$      |          |          |  | 97       |          |          |          |          |          |            |          |   |           |        |          | 147      |          |          |          | 匚        |          |          |          |           |          |
|              | 48       |  |  |                     |  | Γ        | $oxed{\Gamma}$ | $oxed{\Box}$ | $\Box$   |          |  | 98       |          |          |          |          |          |            |          |   |           |        |          | 148      |          |          |          |          |          |          |          |           |          |
|              | 49       |  |  |                     |  |          | L              |              |          |          |  | 99       |          |          |          |          |          |            |          |   |           |        |          | 149      |          |          |          |          |          |          |          |           |          |
|              | 50       |  | $\Box$   | Ĺ                   |  |          |                |              | Ĺ        |          |  | 100      |          |          |          |          |          |            |          | $\Box$  |           |        |          | 150      |          |          |          |          |          |          |          |           |          |